

## Product datasheet for **RR205518**

### Nkain3 (NM\_001109540) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nkain3 (NM\_001109540) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Nkain3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR205518 representing NM\_001109540  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGCTGCTGCACCGGGCGCTGCTCGCTGGTCTGTCTCTGCGCACTGCAGCTGCTTTCAGCTTTGGAGA  
 GGCAGATCTTTGACTTCCTCGGCTTCCAGTGGGCACCCATTCTTGAAATTTCTGCATATAATAGTTGT  
 CATATTTGGTCTGTTTGAACCATTCAGTATAGACCACGTTACATCATGGTGTATACAGTGTGGACTGCC  
 CTCTGGGTACCTGGAATGTGTTTCATCATCTGCTTTTATTGGAAGTAGGAGGCCTCTTAAGGACACAG  
 ATCTGATGACCTTCAACATCTCTGTACATCGGTCATGGTGGAGGGAACATGGACCTGGCTGTGCCGGAG  
 AGTGCTACCAACATCAGCCCATGACATGATGGATGACTACACATATGTCTCAGTCACAGGCTGTGTGCTC  
 GATTTCCAGTACCTAGAGGTATCCACAGTGTGTACAAATACTGCTATCTCTGGTTGGTTTGTGTATG  
 CCTGTTATGTGATCAGCATTTCCATGGAAGAAGAAGACACCTGTGAAATAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR205518 representing NM\_001109540  
 Red=Cloning site Green=Tags(s)

MGCCTGRCSLVCLCALQLLSALERQIFDFLGFQWAPILGNFLHIIVVILGLFGTIQYRPRYIMVYVWTA  
 LWVTWNVFIICFYLEVGLSKDLDLMTFNISVHRSWWREHGPCVRRVLPSPAHDMDDYTVSVTGCVV  
 DFQYLEVIHSAVQILLSLVGFVYACYVISISMEEEDTCRNK

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



## Cloning Scheme:



ACCN: NM\_001109540

ORF Size: 543 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM\\_001109540.1](#), [NP\\_001103010.1](#)

RefSeq Size: 1955 bp

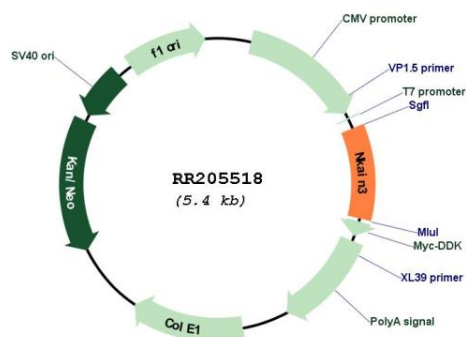
RefSeq ORF: 546 bp

Locus ID: 689576

Cytogenetics: 5q13-q21

MW: 20.8 kDa

Product images:



Circular map for RR205518